NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-01	11/23/96	Ltr from EPA/M. Nichols to DOE/Alvin Alm/Asst Secretary, transmiregarding completeness and technical sufficiency of the Compliance Application	
II-I-02	1/29/97	Ltr/G. Dials/DOE/CAO to EPA/R. Trovato, responding to EPA's Lett 1996 to DOE/L. Alm requesting additional CCA documentation. Supplemental information for the Compliance Certification Application the following:	
		Response to EPA Comments, Enclosure 1: a. 194.23(a)(1) Models and Computer Codes b. 194.23(a)(2) Models and Computer Codes c. 194.32(c)Scope of Performance	
		Response to EPA Comments, Enclosure 2 a. 194.32(a) Scope of Performance	
II-I-03	1/29/97	Ltr / DOE/G. Dials to EPA/R. Trovato - second response package to I December 19, 1996 to DOE/A. Alm. Supplemental Information for the Certification Application (CCA) includes the following:	
		Response to EPA Comments Enclosure 1 a. 194.14(a)(3) Content of Compliance Certification Application b. 194.22(a)(2)(iii) Quality Assurance c. 194.23(a)(3)(i) Models and Computer Codes	
		Response to EPA Comments Enclosure 2 a. 194.23(a)(1) Models and Computer Codes b. 194.32(e)(3) Scope of Performance c. 194.33(c)(1) Consideration for drilling events in performance asset d. 194.53 Consideration of underground sources of drinking water	ssment
II-I-04	2/06/97	Ltr/EPA/R. Trovato to DOE/G. Dials, scheduling audit of the Carlsb Quality Assurance Program	oad 121/8a/90ffice'
II-I-05	2/06/97	Ltr/DOE/CAO/G. Dials to EPA/R. Trovato, transmitting a suppleme EPIC to the Compliance Certification Application (The enclosed supplement EPIC is filed A-93-02, II-G-16.)	

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-06	2/06/97	Ltr/EPA/R. Trovato to DOE/CAO/G. Dials, scheduling audit of Isolation Division's (WID) Quality Assurance Program	f the We ls/filigh/J use Waste
II-I-07	2/11/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato - third response pack December 19, 1996 to DOE/A. Alm Supplemental Information for the Compliance Certification (CC. Following:	
		Response to EPA Comments, Enclosure 1 a. 194.23(a)(2) Models and Computer Codes b. 194.24(a) Waste Characterization c. 194.41(a) Active Institutional Control	
		Response to EPA Comments, Enclosure 2 a. 194.23(a)(1) & 194.23(a)(2) Models and Computer Codes b. 194.23(a)(3)(ii) Models and Computer Codes c. 194.23(a)(3)(iv) Models and Computer Codes d. 194.23(c)(4) Models and Computer Codes e. 194.43(a) Passive Institutional Controls	
II-I-08	2/27/97	Ltr/DO E-CAO/G. Dials to EPA/R. Trovato - fourth response particle December 19, 1996 to DOE/A. Alm. Supplemental information Certification Application (CCA) includes the following:	=
		Response to EPA Comments, Enclosure 1: a. 194.14(a)(2) Content of Compliance Certification b. 194.23(c) Models and Computer Codes c. 194.23(c)(2) Models and Computer Codes d. 194.23(c)(3) Models and Computer Codes e. 194.23(c)(6) Models and Computer Codes f. 194.32(a) Scope of Performance Assessment g. 194.32(e) Scope of Performance Assessment h. 194.34(b) Results of Performance Assessment i. 194.42(a) Monitoring	
II-I-09	2/27/97	Ltr/EPA/R. Trovato to DOE-CAO/G. Dials requesting data record	rd packa@ék8/97

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-10	3/7/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato -fifth response package December 19, 1996 to DOE/A. Alm. Supplemental Information for Certification Application(CCA) includes the following:	
		Response to EPA Comments, Enclosure 1: a. 194.14(a)(2) Content of CCA b. 194.22(a)(2)(iii) Quality Assurance (Models and Compter Codes d. 194.23(a)(3)(iii) Models and Computer Codes e. 194.23(a)(3)(iv) Models and Computer Codes f. 194.24(c) and 194.24(c)(1) Waste Characterization g. 194.24(c)(4) Waste Characterization h. 194.24(g) Waste Characterization i. 194.25(b)(i) Future State Assumptions j. 194.53 Consideration of Underground Sources of Drink Response to EPA Comments, Enclosure 2 a. 194.14(a)(2) Content of CCA b. 194.23(a)(3)(i) Models and Computer Codes c. 194.23(a)(3)(i) Models and Computer Codes d. 194.23(a)(3)(iv) Models and Computer Codes e. 194.23(c)(2) Models and Computer Codes f. 194.34(c) Results of Performance Assessments g 194.44 Engineered Barriers h. 194.51 Consideration of Protected Individual	
II-I-11	3/7/97	Ltr/EPA/R. Trovato to DOE-CAO/G. Dials, scheduling audit of San	ndia'sl QAP rogram
II-I-12	3/7/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato, responding to EPA le requesting data record packages	tter o ½/2/1/8/9 7
II-I-13	3/18/97	Summary of EPA/DOE Meeting held on March 5, 1997	3/7/97
II-I-14	3/18/97	Summary of EPA/DOE Meeting held on March 6, 1997	3/7/97
II-I-15	3/18/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato, supplemental respons 2 for 40 CFR 194.12(a)(3)(1) of EPA's letter of December 19, 1996 This supplemental information for DOE's Compliance Certification attached paper entitled "Implementation of Chemical Controls Throfor the Waste Isolation Pilot Plant (WIPP)."	to DOE/A. Alm. Application is an

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II-I-16	3/18/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato, supplemental responses, 40 CFR 194.23(a)(3)(iv) of EPA's letter of December 19, 199' supplemental information is an Analysis Package for the BRAGE WPO#43593, Revision #1, dated 3/11/97, entitled "Sensitivity of Direct Brine Release to Grid Refinement Using the BRAFGFLO Models."	7 to DOE/A. Alm. This FLO Sensitivity Study, Flow, Transport, and
II-I-17	3/19/97	Ltr/EPA/R. Trovato to DOE/A. Alm, transmitting comments reand technical sufficiency of DOE's Compliance Certification Ap as follows: Enclosure 1 - WIPP CCA Technical Issues- 8 pages Enclosure 2 - Key PA Parameters Lacking Supporting Evidence Enclosure 3- PA Parameters Where the Record Supports Other V Enclosure 4 - PA Parameters Not Explicitly Supported by Data/Information - 2 pages Enclosure 5 - EPA Quality Assurance Audits: Findings & Observe Enclosure 6 - EPA Peer Review Audit Findings & Observations	plication w/6 Enclosures - 1 page Values - 1 page vations - 5 pages
II-I-18	3/26/97	Summary of EPA-DOE Meeting held March 13, 1997	3/20/97
II-I-19	3/26/97	Ltr/DOE-CAO/G. Dials to EPA/F. Marcinowski, Supplemental response 3/d E /607. 2, Page 5, 40 CFR 194.23(c)(2) to EPA's letter of Dec. 19, 1996 to DOE/A. Alm. transmitting the Analysis of Ground Water Travel Times through Calibrated Transmissivity Fields Generated by GRASP-INV, WPO#44199 (Version 2.01) Revision O, March 1997, with Appendix A - TCSTRIP UTILITY CODE VERIFICATION Rev. O, March 1997, and Appendix B - HDSTRIP UTILITY CODE VERIFICATION Rev O, March 1997 (This document is filed at A-93-02, II-G-18).	
II-I-20	4/10/97	Summary of EPA/DOE Meeting held on March 26, 1997	4/3/97
II-I-21	4/10/97	Summary of EPA/DOE Mtg. held on April 3, 1997	4/3/97
II-I-22	4/10/97	Summary of EPA/DOE/Commerce Committee Mtg. Held on Ma	rch 14, 499 97
II-I-23	4/17/97	Summary of EPA/DOE Meeting held on April 14, 1997	4/16/97

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-24	4/23/97	Ltr/G. Dials/DOE-CAO to EPA/R. Trovato, responding to March 19, DOE/A/ Alm regarding CCA issues/comments, as follows:	19 947115/967 r to
		Comment No. 2 Data Quality Characteristics	
		Comment No. 3 E2 After E2 Scenarios	
		Comment No. 9 More Information on Permeability and Porosity Ver Curves	sus Pressure
		Comment No. 12 Does DOE want to Include Other than BIR Data?	
		Comment No. 13 Adsorption of Actinides for Cuttings/Caving	
		Comment No. 14 Details on HYDRAQL code	
		Comment No. 15 Uncertainties on Upper and Lower Limits	
		Comment No. 16 Detail on Methods of NDA	
		Comment No. 17 Support an EPA Audit of WWIS	
		Comment No. 19 Contaminant Transport from Brine Flow from a Sin	gle Hole
II-I-25	4/23/97	Ltr/EPA/R. Trovato to DOE/CAO/G. Dials, follow-up to EPA letter of Doe/Alm regarding performance assessment input parameters with tw follows:	
		Enclosure 1 - Parameters no longer in question. Enclosure 2 - Parameters not representative of the data.	
II-I-26	5/1/97	Ltr/DOE/G. Dials to EPA/R. Trovato re: DOE's Plan to Respond to Is EPA's ltr of March 19, 1997 to DOE/Alm	ssu es R a9sed in
II-I-27	5/1/97	Ltr/EPA/R. Trovato to DOE/CAO/G. Dials, follow-up to EPA Letter to DOE/A. Alm regarding Performance Assessment input parameters as follows:	
		Encl. 1 - Parameters no longer in question Encl. 2 - Parameters and associated input values that EPA requires to PA Verification Test	be used in DOE's

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II-I-28	5/14/97	Ltr/DOE/CAO/G. Dials, Mgr to EPA/ORIA/R. Trovato - Second Respletter of 3/19/97 requesting additional information the WIPP CCA inclination following:	
		Response to Enclosure 1: Response to Comment #10 regarding Models and Computer Codes Response to Comments #14, #15, #18 regarding Waste Characterizat Response to Enclosure 5: Response to EPA findings from EPA Audit of CAO, 12/9-13/96 Response to EPA findings from EPA Audit of SNL, 1/13-24/97 Response to Enclosure 6: Response to EPA findings/observations from EPA Audit of CAO Pee Review, 2/10-12/97	
II-I-29	5/20/97	Ltr/EPA/Carol Browner to DOE/F. Pena - Completeness Determination	n 5/16/97
II-I-30	5/20/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato transmitting report of DOE Elicitation on Waste Particle Diameter (Draft Report dated May 12, 1997)	E'sSEk\$ploft
II-I-31	5/20/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato third response to EPA's le 1997 to DOE/A. Alm regarding CCA issues/comments. Supplemental includes responses to Enclosures 1 of the March 19, 1997 letter as follows:	information
		Comment No. 1 - Origin of Hydrochemicals Facies and Mode Paleoflow Directions Comment No. 4 - SECOTP2D - Test with a Heterogeneous T-Field Comment No. 5 - SECOTP2D - Mass Balance Comment No. 6 - Quantity Impacts of Code Errors Comment No. 7 - SECOTP3D Code Test Results Comment No. 8 - Benchmark NUTS with SWIFT Comment No. 11 - Traceability of Development of Legacy Parameters Comment No 20/22 - Solution Mining	eled
II-I-32	5/21/97	Ltr/DOE-CAO/G. Dials to EPA/R. Trovato transmitting the report of t International Review Group entitled "International Peer Review of the Assessment of the US Waste Isolation Pilot Plant (WIPP)" dated April	1996 Performanc

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-33	6/11/97	Performance Assessment Parameter Values Identified in EPA letters t 17 and 25 1997	o D606E9d ated April
II-I-34	6/18/97	Ltr/DOE-CAO/G. Dials to EPA/L. Weinstock transmitting the final re Elicitation on WIPP Waste Particle Size Distribution(s) During the 10 Regulatory Post-Closure Period" (Report filed A-93-02, II-G-24	
II-I-35	6/18/97	Ltr/DOE-CAO/J. Mewhinney to EPA/F. Marcinowski transmitting dra "Results of the MgO Backfill Efficacy Investigation" (Filed A-93-02, Item II-A-39) and "Description and Evaluation of a Mechan Conceptual Model for Spall" (Filed A-93-02, Item II-G-23)	•
II-I-36	6/25/97	Ltr/DOE-CAO/G. Dials to EPA/L. Weinstock responding to EPA's le 1997 requesting additional information regarding water flooding. This information includes the following:	
		a. Response to Enclosure 1, page 7, 40 CFR 194.32(e)- Scope of assessments	performance
		b. Sandia National Laboratories - Waste Isolation Pilot Plant - Exped WPO #44158 Supplementary Analyses of the Effect of Salt Water Dis Waterflooding on the WIPP including:	
		Atch 1: Injection Methods: Current Practices and Failure Rat in the Delaware Basin DOE/WIPP-97-2240, June 1997	es
		Atch 2: Technical Review by Swift, et al of the HARTMAN Scenario: Implications for the WIPP by John Bredehoeft, June 13, 1997	
II-I-37	7/8/97	Ltr/EPA/L. Weinstock to DOE-CAO/G. Dials, providing follow-up in concerns regarding performance assessment calculations identified in March 19, 1997 to DOE/A. Alm with Enclosure entitled "Items Requi Mandated Performance Assessment Verification Test" (4 pages).	EPA's letter of
II-I-38	8/8/97	Ltr/DOE-CAO/G. Dials to EPA/L. Weinstock transmitting intermedia Performance Assessment Verification Test (PAVT). (This document A-93-02, Item II-G-26)	
II-I-39	8/15/97	Summary DOE/EPA telephone conversations of August 7, 1997	8/7/97

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-40	8/15/97	Summary of DOE/EPA telephone conversations of August 7 and 8, 19	978/8/97
II-I-41	8/15/97	Summary of EPA/WIPP Stakeholders telephone conversations of August 7, 1997 w/attached E-mail messages	8/8/97
II-I-42	8/15/97	Summary of DOE/EPA teleconference call of August 7, 1997	8/11/97
II-I-43	8/15/97	Summary of DOE/EPA telephone conversations of August 11, 1997	8/11/97
II-I-44	8/21/97	Summary of DOE/EPA telephone conversation of August 15. 1997	8/18/97
II-I-45	8/27/97	Summary of DOE/EPA telephone conversation of August 11, 1997	8/19/97
II-I-46	8/27/97	Summary of DOE/EPA telephone conversation of August 19, 1997	8/19/87
II-I-47	8/27/97	Summary of DOE/EPA meetings of August 18, 1997	8/20/97
II-I-48	8/27/97	Summary of DOE/EPA OGC facsimile of August 20, 1997	8/20/97
II-I-49	8/27/97	Ltr/DOE/CAO/G. Dials, to EPA/L. Weinstock transmitting final results & The EPA mandated Performance Assessment Verification Test (PAVT). (This document is filed at A-93-02, Item II-G-28)	
II-I-50	8/27/97	Summary of DOE/EPA telephone conversations of Aug. 26-and 27/97	8/27/97
II-I-51	9/4/97	Ltr/DOE transmittal letter with enclosure 1 for the approved Performanc6/B/Monstration Program Plan for Nondestructive Assay for the TRU Waste Characterization Program, CAO-94-1045, Rev. 1 dated May, 1997 (Enclosure 2). (This document is filed docket A-93-02, Item II-G-31)	
II-I-52	9/4/97	Ltr/DOE/D. Brown - QA Manager to EPA/M. Kruger transmitting two a. Data Quality Characteristics in the WIPP Compliance Certification Application (3 pages) b. The WIPP Project Approach to the Assessment of Quality Characteristics (7 pages)	p p ap E5 s 9 a follows:
II-I-53	9/4/97	Ltr/DOE/J. Mewhinney to EPA/F. Marcinowski transmitting CCA Rec Carlsbad Area Office (Information docketed at A-93-02, II-G-32).	constant the
II-I-54	9/4/97	Summary of DOE/EPA telephone conversation of August 26, 1997 - C. Byrum - EPA and G. Froelich-DOE	8/26/97

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-55	9/4/97	Ltr/DOE-CAO/G. Dials to EPA/L/ Weinstock regarding the evaluat of the CCA Performance Assessment and the EPA Mandated Perfor Verification Test with: Atch 1 - Executive Summary Atch 2 - C. Whipple's Assessment	
II-I-56	9/4/97	Summary of DOE/EPA telephone conversations of August 26 and 1 EPA and D. Brown-DOE	7, 19 8/2 ,7 \\1 7Eagle-
II-I-57	9/4/97	Summary DOE/EPA staff attorney's telephone conversation of Aug Matthews/ EPA and P. Detweiler/ DOE with Attachment (DOE's an 194.24 Waste Characterization Requirements).	
II-I-58	9/4/97	Summary of DOE/EPA telephone conversations of August 25 and 2 EPA and G. Froelich, M. Irwin, and J. Mewhinney-DOE	8, 19 8/2 9 7 97Peake-
II-I-59	9/4/97	Summary of DOE/EPA Teleconference Call of August 5, 1997 regardered Frocedures for the CCA	rding S C9Te-Up
II-I-60	9/4/97	Ltr/DOE/J. Mewhinney to EPA/M. Kruger transmitting WPO#s 461 and 46936. (Documents are filed A-93-02, Item II-G-33 thru II-G	
II-I-61	9/16/97	Ltr/DOE-CAO/G. Dials to EPA/L. Weinstock, transmittal of Transc Elicitation on Waste Particle Size Distribution Conducted for EPA's Assessment Verification Test (Transcripts filed A-93-02, Item II-0	Performance
II-I-62	9/16/97	Summary of EPA/DOE telephone conversations September 2 thru S between EPA/Mary Kruger and DOE/J. Mewhinney, C. Snider, D. I	
II-I-63	9/16/97	Ltr/DOE/G. Dials to EPA/L. Weinstock, response to John Brederhof July 28, 1997, titled "Rebuttal Tehnical Review of the HARTMAN Implications for WIPP" WPO #46999, SNL memo dated August 28,	Scenario:
II-I-64	9/16/97	Summary of DOE/EPA staff attorneys meeting of August 29, 1997 requirements of 40 CFR 194.24	rega 018/19 7
II-I-65	9/16/97	Ltr/DOE/G. Dials to EPA/L. Weinstock, transmitting Summary of the Performance Assessment Verification Test Results for the Individual Protection Requirements, WPO#47258 dated 9/12/97. (This docum A-93-02, item II-G-39)	l and Groundwater

NO.	Date Sent to Docket	COMMENTER/ADDRESSEE Title and/or Subject	Date of Document
II-I-66	9/16/97	Summary of the EPA/DOE teleconference calls concerning Scale-Up I CCA between EPA/T. Wolbarst and M. Chu/DOE-SNL on September	
II-I-67	9/16/97	Summary of the EPA/DOE telephone calls concerning Waste Unit Fac between EPA/T. Wolbarst and M. Chu/DOE-SNL on September 11 an	-
II-I-68	9/29/97	Ltr/DOE-CAO/G. Dials to EPA/L. Weinstock regarding Doses Predict the EPA mandated Performance Assessment Verification Test with att.	
		Atch 1 - WPO#47309 - Summary of the EPA-Mandated Performance Verification Test Results for Individual Protection Required Doses to Internal Organs and Total Body from Groundwater Ingestion Body from Beef Consumption, Vegetable Consumption and Inhalation 9/22/97 (This document filed A-93-02, II-G-40)	ments: Estimated and to the Total
		Atch 1 - WPO#47308 - Analysis Report of an Evaluation of the Contributions from Beta, Electron and Photon Emissions to Critical On Drinking Water Consumed for the Undisturbed Performance supporting Certification Application, dated 9/22/97 (This document is filed A-93-0	gans Related to g the Compliance
II-I-69	9/29/97	Memo to the file, EPA/OGC, K. Matthews, transmitting document pro DOE/OGC titled "Information in the Compliance Certification Application Demonstrates compliance with Section 194.24"	

CATEGORY II-I: EPA/DOE CORRESPONDENCE AND ACTIVITIES AFTER PUBLICATION OF THE ANPR DATED NOVEMBER 15, 1996

NO. Date Sent to COMMENTER/ADDRESSEE Date of Docket Title and/or Subject Document